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#### THE WEAVER

This scene is a copy of "The Weaver" by GEORG PENZ (Nuremberg, 1530), of which an original print is in possession of the author, and is the earliest known engraving on a textile subject. The motto "sed aranea tactu," (but the spider in delicacy of touch) is the last portion of a Latin couplet, parts of which were used as titles to his five engravings on the senses.

- "Truxa per auditum, linx visu, milvus odore,
- "Simia nos superat gustu, sed aranea tactu."

Which may be translated as: Wild animals excel us in hearing, the lynx in sight, the vulture in smell, the monkey in taste, but the spider in delicacy of touch.

The citation of this couplet has not as yet been found.

# **BIBLIOGRAPHY**

OF THE

# COTTON MANUFACTURE

BY

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### BIBLIOGRAPHY OF THE COTTON MANUFACTURE

The industry of manufacturing cotton and its subsidiary industries require the investment of enormous amounts of capital, and the employment of almost every application of human skill.

All of these have been naturally the subject of many books devoted to the specific processes and to the industry in its broadest phases.

Widespread as is the literature of the subject, there does not appear to have been any compilation of these books, and the manufacturer or the student is limited in his investigations merely to the results in books in his own library or in other libraries at hand.

In this compilation the writer has had the benefit of information contained in leading libraries both sides of the Atlantic, and to those of many cotton manufacturers.

The author would be pleased to receive information upon any books pertaining to the subject, which do not appear in the following lists.

The present number of citations exceeds 5,000 and in case of references to several editions, the earliest has been noted.

Titles are not only similar but in many cases identical, so that the only means of arrangement has been by the names of authors, except in the case of anonymous books.

No attempt has been made to present a complete list of books on engineering and economics which may apply to problems coming before those engaged in cotton manufacturing, but merely to cite those which have been found to be helpful.

The titles have been classified into the following divisions

which contain subordinate subjects in alphabetical order as follows:—

- I. COTTON MANUFACTURE: Carding, combing, cotton fibre, designing, knitting, lace manufacture, microscopy, netting, picking, singeing, slashing, spinning, static electricity, twisting, stretching, warping, weaving, yarn tables. 820 titles.
- II. FINISHING: Bleaching, conditioning, drying, dyeing, mercerization, printing, receipts, waterproofing. 874 titles.
- III. Engineering and Machinery: Accidents, belts, boilers, chimneys, concrete construction, fire protection, flow of water, fuels, heating, humidification, illumination, lubrication, mill construction, preservation of timber, rope driving, specifications, steam engines, steam turbines, textile machinery, transmission of power, transportation in mill yards, ventilation, water wheels. 728 titles.
- IV. HISTORY AND ECONOMICS: Administration, associations, biographies, commerce, costs of manufacture, history, labor, manufacturing accounts, patents, reports on expositions (not included elsewhere), statistics, taxation, textile education, valuation, welfare work. 1,361 titles.
- V. COTTON: Bagging materials, baling, brokerage, calculators, cotton exchanges, cultivation, gathering, ginning, grading, linting, packing, pests, price tables, shipping, tare, trade, trade tables. 1,025 titles.
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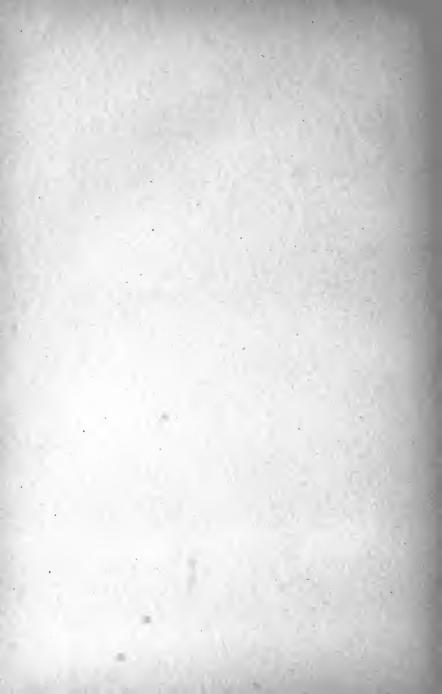
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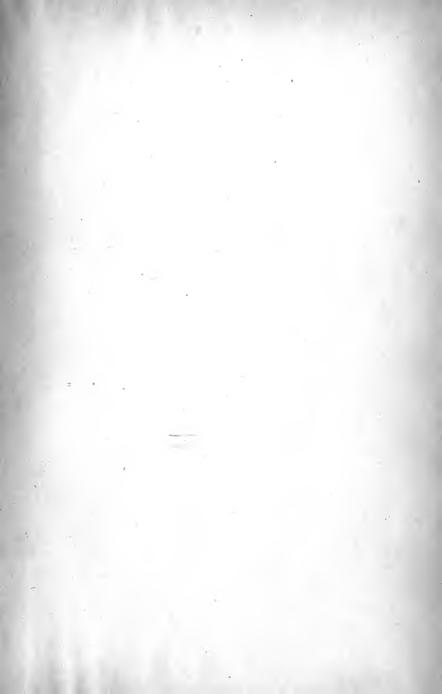
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